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**NAVSTAR GPS L5 Signal Specification**

RTCA/DO-261  
December 14, 2000

Prepared by SC-159  
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## FOREWORD

This report was prepared by Special Committee 159 (SC-159) and approved by the RTCA Program Management Committee (PMC) on December 14, 2000.

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## TABLE OF CONTENTS

|           |   |    |
|-----------|---|----|
| 1         | Introduction.....                               | 1  |
| 1.1       | Scope.....                                      | 1  |
| 1.2       | Signal Specification Approval and Changes ..... | 1  |
| 2         | Applicable Documents .....                      | 3  |
| 2.1       | Government Documents.....                       | 3  |
| 2.2       | Non-Government Documents.....                   | 3  |
| 3         | Requirements.....                               | 3  |
| 3.1       | Signal Definition .....                         | 3  |
| 3.2       | Signal Identification.....                      | 3  |
| 3.2.1     | Ranging Codes.....                              | 5  |
| 3.2.1.1   | L5-Codes.....                                   | 5  |
| 3.2.1.2   | Non-standard Codes.....                         | 8  |
| 3.2.2     | NAV Data.....                                   | 8  |
| 3.2.3     | L5 Signal Structure .....                       | 8  |
| 3.3       | Signal Characteristics.....                     | 8  |
| 3.3.1     | Composite Signal.....                           | 8  |
| 3.3.1.1   | Frequency Plan.....                             | 8  |
| 3.3.1.2   | Correlation Loss.....                           | 9  |
| 3.3.1.3   | Carrier Phase Noise.....                        | 9  |
| 3.3.1.4   | Spurious Transmissions .....                    | 9  |
| 3.3.1.5   | Phase Quadrature.....                           | 9  |
| 3.3.1.6   | User-received Signal Levels.....                | 9  |
| 3.3.1.7   | Equipment Group Delay.....                      | 10 |
| 3.3.1.7.1 | Group Delay Uncertainty .....                   | 10 |
| 3.3.1.7.2 | Group Delay Differential.....                   | 11 |
| 3.3.1.7.3 | GPS Differential Timing .....                   | 11 |
| 3.3.1.8   | Signal Coherence.....                           | 11 |
| 3.3.1.9   | Signal Polarization.....                        | 11 |
| 3.3.2     | PRN Code Characteristics.....                   | 11 |
| 3.3.2.1   | Code Structure.....                             | 12 |
| 3.3.2.2   | Code Generation .....                           | 13 |
| 3.3.2.3   | Q5 Synchronization Sequence.....                | 15 |
| 3.3.3     | Navigation Data.....                            | 15 |
| 3.3.3.1   | Navigation Data Modulation.....                 | 15 |
| 3.3.3.1.1 | Forward Error Correction.....                   | 16 |
| 3.3.3.1.2 | Neuman-Hoffman Code.....                        | 16 |
| 3.3.4     | GPS Time and SV Z-Count.....                    | 17 |
| 4         | Notes.....                                      | 21 |
| 4.1       | Acronyms .....                                  | 21 |
| 4.2       | Definitions .....                               | 21 |
| 4.2.1     | User Range Accuracy.....                        | 21 |
| 4.2.2     | SV Block Definitions .....                      | 22 |
| 4.2.2.1   | Developmental SVs.....                          | 22 |
| 4.2.2.2   | Operational SVs.....                            | 22 |

|                |   |    |
|----------------|---|----|
| 4.2.2.2.1      | Block II SVs .....  | 22 |
| 4.2.2.2.2      | Block IIA SVs.....  | 22 |
| 4.2.2.2.3      | Block IIA SVs.....  | 22 |
| 4.2.2.2.4      | Block IIR SVs.....  | 23 |
| 4.2.2.3        | Block IIF Operational SVs.....  | 23 |
| 4.2.3          | Operational Interval Definitions .....                                | 23 |
| 4.2.3.1        | Normal Operations .....   | 23 |
| 4.2.3.2        | Short-term Extended Operations .....                                  | 23 |
| 4.2.3.3        | Long-term Extended Operations .....                                   | 23 |
| 4.2.4          | GPS Week Number.....  | 23 |
| 4.3            | Supporting Material.....  | 24 |
| 4.3.1          | L5 Received Signals .....   | 24 |
| 10             | Appendix I. GPS Navigation Data Structure for Data ID No. 2.....      | 25 |
| 10.1           | Scope.....  | 25 |
| 10.2           | Applicable Documents.....   | 25 |
| 10.3           | Requirements .....  | 25 |
| 10.3.1         | Data Characteristics .....  | 25 |
| 10.3.2         | Message Structure .....   | 25 |
| 10.3.3         | Message Content .....   | 25 |
| 10.3.3.1       | Message Type 1 Clock, Health, and Accuracy Parameters.....            | 25 |
| 10.3.3.1.1     | Message Type 1 Clock, Health, and Accuracy Parameter Content.....     | 25 |
| 10.3.3.1.1.1   | Transmission Week Number .....  | 26 |
| 10.3.3.1.1.2   | SV Accuracy (L5) .....  | 32 |
| 10.3.3.1.1.3   | SV Health (L5).....   | 32 |
| 10.3.3.1.1.4   | Issue of Data, Clock .....  | 33 |
| 10.3.3.1.1.5   | Short-term and Long-term Extended Operations .....                    | 33 |
| 10.3.3.1.1.6   | SV Clock Correction .....   | 33 |
| 10.3.3.1.1.7   | Estimated Group Delay Differential (L1-L5) .....                      | 33 |
| 10.3.3.1.1.8   | Estimated L2/L5 Group Delay Differential.....                         | 33 |
| 10.3.3.1.1.9   | Estimated L5 to L5 Group Delay Differential.....                      | 33 |
| 10.3.3.1.2     | Message Type 1 Clock, Health and Accuracy Parameter Characteristics.. | 33 |
| 10.3.3.1.3     | User Algorithm for Message Type 1 Clock Data .....                    | 34 |
| 10.3.3.1.3.1   | User Algorithms for SV Clock Correction.....                          | 34 |
| 10.3.3.1.3.2   | L1/L5 Correction.....   | 37 |
| 10.3.3.1.3.3   | L2/L5 Group Delay Correction.....                                     | 38 |
| 10.3.3.1.3.4   | L1/L5 Ionospheric Correction .....                                    | 38 |
| 10.3.3.1.3.5   | L2/L5 Ionospheric Correction .....                                    | 39 |
| 10.3.3.1.3.6   | L5 Q-code/I-code Correction.....                                      | 39 |
| 10.3.3.1.3.7   | Example Application of Correction Parameters .....                    | 39 |
| 10.3.3.2       | Message Type 1 and 2 Ephemeris Parameters.....                        | 39 |
| 10.3.3.2.1     | Message Type 1 and 2 Ephemeris Parameter Content.....                 | 39 |
| 10.3.3.2.2     | Message Type 1 and 2 Ephemeris Parameter Characteristics.....         | 41 |
| 10.3.3.2.3     | User Algorithm for Ephemeris Determination.....                       | 41 |
| 10.3.3.2.3.1   | Curve Fit Intervals .....   | 42 |
| 10.3.3.2.3.2   | Parameter Sensitivity .....   | 45 |
| 10.3.3.2.3.3   | Coordinate Systems .....  | 45 |
| 10.3.3.2.3.3.1 | ECEF Coordinate System.....   | 45 |
| 10.3.3.2.3.3.2 | Earth-Centered Inertial (ECI) Coordinate System .....                 | 46 |
| 10.3.3.2.3.4   | Geometric Range.....  | 46 |
| 10.3.3.3       | Message Type 3 Parameters .....                                       | 46 |
| 10.3.3.3.1     | Message Type 3 Parameter Content.....                                 | 46 |

|                  |  |    |
|------------------|--|----|
| 10.3.3.3.1.1     | Universal Coordinated Time (UTC) Parameters .....  | 47 |
| 10.3.3.3.1.2     | Ionospheric Data .....                             | 47 |
| 10.3.3.3.1.3     | SV Health (L1/L2) .....                            | 47 |
| 10.3.3.3.1.4     | Code(s) on L2 Channel.....                         | 47 |
| 10.3.3.3.2       | Algorithms Related to Message Type 3 Data .....    | 50 |
| 10.3.3.3.2.1     | Universal Coordinated Time (UTC).....              | 50 |
| 10.3.3.3.2.2     | Ionospheric Model.....                             | 51 |
| 10.3.3.4         | Message Type 4 Almanac Parameters.....             | 55 |
| 10.3.3.4.1       | Message Type 4 Almanac Parameter Content .....     | 55 |
| 10.3.3.4.1.1     | Data ID and SV ID .....                            | 55 |
| 10.3.3.4.1.2     | Almanac Data .....                                 | 55 |
| 10.3.3.4.1.3     | SV Health (L1 and L2) .....                        | 55 |
| 10.3.3.4.1.4     | SV Health (L5).....                                | 56 |
| 10.3.3.4.1.5     | Anti-Spoof (A-S) Flags and SV Configurations ..... | 56 |
| 10.3.3.4.1.6     | Almanac Reference Week.....                        | 56 |
| 10.3.3.4.2       | Algorithms Related to Message Type 4 Data .....    | 62 |
| 10.3.3.4.2.1     | Almanac .....                                      | 62 |
| 10.3.3.4.2.2     | Almanac Reference Time.....                        | 63 |
| 10.3.3.4.2.3     | Almanac Time Parameters .....                      | 63 |
| 10.3.3.5         | Message Type 5.....                                | 64 |
| 10.3.4           | Timing Relationships .....                         | 64 |
| 10.3.4.1         | Paging and Cutovers .....                          | 64 |
| 10.3.4.2         | SV Time vs. GPS Time.....                          | 64 |
| 10.3.4.3         | Speed of Light .....                               | 64 |
| 10.3.4.4         | Data Sets.....                                     | 65 |
| 10.3.4.5         | Reference Times.....                               | 67 |
| 10.3.5           | Data Frame Parity.....                             | 69 |
| 10.3.5.1         | Parity Algorithm.....                              | 69 |
| MEMBERSHIP ..... |  | 71 |

## TABLE OF FIGURES

|                     |  |    |
|---------------------|--|----|
| <u>Figure 3-1.</u>  | Generation of Codes .....                                  | 12 |
| <u>Figure 3-2.</u>  | Modulation of Signals .....                                | 13 |
| <u>Figure 3-3.</u>  | XA Shift Register Generator Configuration .....            | 14 |
| <u>Figure 3-4.</u>  | XB Shift Register Generator Configuration .....            | 14 |
| <u>Figure 3-5.</u>  | Relative Phases Between the XA and XB Sequences.....       | 15 |
| <u>Figure 3-6.</u>  | Convolutional Encoder .....                                | 16 |
| <u>Figure 3-7.</u>  | Convolutional Transmit/Decoding Timing Relationships ..... | 17 |
| <u>Figure 3-8.</u>  | Time Line Relationship of a Six-Second Message.....        | 19 |
| <u>Figure 10-1.</u> | Message Type 1 Format.....                                 | 27 |
| <u>Figure 10-2.</u> | Message Type 2 Format.....                                 | 28 |
| <u>Figure 10-3.</u> | Message Type 3 Format.....                                 | 29 |
| <u>Figure 10-4.</u> | Message Type 4 Format.....                                 | 30 |
| <u>Figure 10-5.</u> | Message Type 5 Format.....                                 | 31 |
| <u>Figure 10-6.</u> | Sample Application of Correction Parameters.....           | 40 |
| <u>Figure 10-7.</u> | Ionospheric Model.....                                     | 52 |

## TABLE OF TABLES

|                       |   |    |
|-----------------------|---|----|
| <u>Table 3-I.</u>     | Code Phase Assignments .....                              | 6  |
| <u>Table 3-II.</u>    | Composite L5 Transmitted Signal Phase .....               | 10 |
| <u>Table 3-III.</u>   | Received Minimum L5 RF Signal Strength .....              | 10 |
| <u>Table 10-I.</u>    | Message Type 1 Clock, Health and Accuracy Parameters..... | 35 |
| <u>Table 10-II.</u>   | Ephemeris Data Definitions .....                          | 41 |
| <u>Table 10-III.</u>  | Ephemeris Parameters.....                                 | 42 |
| <u>Table 10-IV.</u>   | Elements of Coordinate Systems.....                       | 43 |
| <u>Table 10-V.</u>    | UTC Parameters.....                                       | 48 |
| <u>Table 10-VI.</u>   | Ionospheric Parameters.....                               | 49 |
| <u>Table 10-VII.</u>  | Almanac Parameters.....                                   | 57 |
| <u>Table 10-VIII.</u> | L1/L2 NAV Data Health Indications .....                   | 58 |
| <u>Table 10-IX.</u>   | Codes for Health of SV L1/L2 Signal Components .....      | 59 |
| <u>Table 10-X.</u>    | L5 NAV Data Health Indications .....                      | 60 |
| <u>Table 10-XI.</u>   | Codes for Health of SV L5 Signal Components .....         | 61 |
| <u>Table 10-XII.</u>  | IODC/IODL Values and Data Set Lengths .....               | 66 |
| <u>Table 10-XIII.</u> | Reference Times.....                                      | 68 |

## 1 Introduction

### 1.1 Scope

This Signal Specification defines the requirements related to the signal interface between the Space Segment (SS) of the Global Positioning System (GPS) and the GPS Navigation Users for the L5 Navigation Signal.

### 1.2 Signal Specification Approval and Changes

RTCA is responsible for the basic preparation, approval, distribution, and retention of the Signal Specification.

Notes:

1. *The U.S. Department of Defense (DoD) will generate a GPS Interface Control Document (ICD) based on this document (after approval of this document by the U.S. Interagency GPS Executive Board). To facilitate conversion to an ICD, this document follows the section numbering convention and section titles used by previous DoD GPS ICDs.*
2. *The L5 signal design, as documented in this document, is complete. However, specific values for various low-level requirements remain to be specified based upon space vehicle (SV) design tradeoffs that will be conducted by the Block IIF contractor under the constraints imposed by high-level performance requirements. Notes are included in sections of this document that include a low-level requirement with a value to-be-determined.*